Danchi Jiang

List of Publications by Year
in descending order

49 papers	880 citations
1039880 9 h-index	713332 21 g-index
49 all docs	49 docs citations
49 times ranked	581 citing authors

#	ARTICLE	IF	CITATIONS
1	A recurrent neural network for solving Sylvester equation with time-varying coefficients. IEEE Transactions on Neural Networks, 2002, 13, 1053-1063.	4.8	454
2	A Lagrangian network for kinematic control of redundant robot manipulators. IEEE Transactions on Neural Networks, 1999, 10, 1123-1132.	4.8	89
3	On achieving optimal throughput with network coding. , 0, , .		78
4	Augmented gradient flows for on-line robust pole assignment via state and output feedback. Automatica, 2002, 38, 279-286.	3.0	29
5	Fully generalised spatial modulation technique for underwater communication. Electronics Letters, 2018, 54, 907-909.	0.5	24
6	Zero‐pseudorandom noise training OFDM. Electronics Letters, 2014, 50, 650-652.	0.5	19
7	Image transmission over underwater acoustic environment using OFDM technique with HQAM mapper. , 2013, , .		13
8	Spectrum and Energy Efficient OFDM Multicarrier Modulation for an Underwater Acoustic Channel. Wireless Personal Communications, 2017, 96, 1577-1593.	1.8	13
9	A gradient flow approach to decentralised output feedback optimal control. Systems and Control Letters, 1996, 27, 223-231.	1.3	11
10	A recurrent neural network for real-time semidefinite programming. IEEE Transactions on Neural Networks, 1999, 10, 81-93.	4.8	11
11	Optimal Bit Loading Algorithm for Power-Line Communication Systems subject to Individual Channel Power Constraints. , 2006, , .		11
12	A novel partitioning strategy for distribution networks featuring many small scale generators. , 2013, , .		11
13	Constrained coordinated distributed control of smart grid with asynchronous information exchange. Journal of Modern Power Systems and Clean Energy, 2015, 3, 512-525.	3.3	11
14	Entropy Method for Structural Health Monitoring Based on Statistical Cause and Effect Analysis of Acoustic Emission and Vibration Signals. IEEE Access, 2019, 7, 172515-172525.	2.6	9
15	On-line learning of dynamical systems in the presence of model mismatch and disturbances. IEEE Transactions on Neural Networks, 2000, 11, 1272-1283.	4.8	8
16	Smart Grid Optimization Through Asynchronous, Distributed Primal Dual Iterations. IEEE Transactions on Smart Grid, 2017, 8, 2324-2331.	6.2	8
17	Asynchronous consensus for optimal power flow control in smart grid with zero power mismatch. Journal of Modern Power Systems and Clean Energy, 2018, 6, 412-422.	3.3	8
18	Cartilage signal intensity on T1-weighted MRI: association with risk factors and measures of knee osteoarthritis. Clinical Rheumatology, 2014, 33, 359-368.	1.0	6

#	Article	IF	Citations
19	Least squares pole assignment by memoryless output feedback. Systems and Control Letters, 1996, 29, 31-42.	1.3	5
20	SPIHT coded image transmission over underwater acoustic channel with unequal error protection using HQAM. , 2013, , .		5
21	Multi-layer perceptron training algorithms for pattern recognition of myoelectric signals. , 2013, , .		5
22	A novel method for assessing proximal tibiofibular joint on MR images in patients with knee osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 1675-1682.	0.6	5
23	Augmented Reality Lights for Compromised Visibility Navigation. Journal of Marine Science and Engineering, 2020, 8, 1014.	1.2	5
24	Self-concordant functions for optimization on smooth manifolds. , 2004, , .		4
25	Neural Network Prediction of Radio Propagation. , 0, , .		4
26	Self-concordant functions for optimization on smooth manifolds. Journal of Global Optimization, 2007, 38, 437-457.	1.1	4
27	Articular cartilage segmentation in noisy MR images of human knee. , 2012, , .		4
28	A rank preserving flow algorithm for quadratic optimization problems subject to quadratic equality constraints. , 0, , .		3
29	A recurrent neural network for online design of robust optimal filters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 921-926.	0.1	3
30	Analog computing for real-time solution of time-varying linear equations. , 0, , .		3
31	Global Optimal Beamforming for Multi-Symbol MIMO Communications. , 2008, , .		3
32	OFDM Inter-Carrier Interference reduction using pulse shaping function for underwater acoustic communications systems. , 2013, , .		3
33	A recurrent neural network for real-time computation of semidefinite programming. , 0, , .		2
34	Adaptive SNR filtering technique for Rician noise denoising in MRI. , 2013, , .		2
35	Time reversal time-domain synchronisation orthogonal frequency division multiplexing over multipath fading channels with significant tap delays. Journal of Engineering, 2014, 2014, 358-367.	0.6	2
36	Progressive ZP-OFDM for Image Transmission Over Underwater Time-Dispersive Fading Channels. , 2018, , .		2

#	Article	IF	Citations
37	Stable artificial neural networks for robust pole assignment. , 0, , .		1
38	Automated background segmentation for Rician noise estimation of noisy MR images. , 2012, , .		1
39	Adaptive Rician denoising with edge preservation for MR images of the articular cartilage. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2016, 4, 296-305.	1.3	1
40	Sensitivity Reduction of Constraint Forces and Position Control for Mechanical Descriptor Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 286-289.	0.9	0
41	A recurrent neural network for global asymptotic tracking control of disturbed nonlinear systems. , 1998, , .		0
42	A finite step scheme for general near-optimal stochastic control. , 0, , .		0
43	Intelligent computing for real-time solution of time-varying linear equations. International Journal of Intelligent Systems Technologies and Applications, 2007, 3, 309.	0.2	0
44	A SOM algorithm based procedure for MRI image processing under significant Rician noise. , 2013, , .		0
45	Edge localisation in MRI for images with signalâ€dependent noise. Electronics Letters, 2015, 51, 1151-1153.	0.5	0
46	Automated and optimal detection of 3D articular cartilage using undecimated wavelets in MRI. Signal, Image and Video Processing, 2015, 9, 305-314.	1.7	0
47	An asynchronous, distributed protocol for DC power management in a smart building. , 2017, , .		0
48	The morphological parameters of proximal tibiofibular joint predict incident radiographic osteoarthritis: data from osteoarthritis initiative. Osteoarthritis and Cartilage, 2018, 26, S443.	0.6	0
49	OP0055â€¦A novel method for assessing proximal tibiofibular joint on mr images in patients with knee osteoarthritis. , 2018, , .		0